

Converting Colors

$Yxy(85.9247, 0.2753, 0.3579)$

Have a look what the booklet for
Yxy(85.9247, 0.2753, 0.3579)
contains.

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Color

Yxy(85.3402, 0.2752, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	A6FFE6
RGB	166, 255, 230
RGB Percent	65%, 100%, 90%
CMY	0.3491, 0.0000, 0.0980
CMYK	0.35, 0.00, 0.10, 0.00
HSL	163°, 100%, 83%
HSV	163°, 35%, 100%
XYZ	65.7676, 85.3402, 87.8734
YIQ	225.5390, -45.0190, -26.6430

Conversions

Conversions Part 2

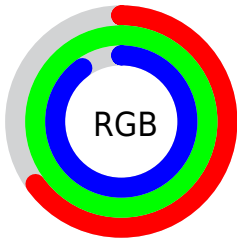
Format	Color
R _Y B	166, 218, 255
Decimal	10944486
CIE Lab	94.03, -32.02, 3.50
CIE LCh	94, 32.212, 173.764
Yxy	85.3402, 0.2752, 0.3571
Android (android.graphics.Color)	4289134566 (0xFFA6FFE6)
YUV	225.5390, 2.1993, -52.2157
Hunter-Lab	92.3798, -34.5856, 8.2680

Details

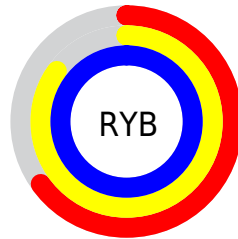
The Yxy color **85.3402, 0.2752, 0.3571** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.2900, 0.3725, 0.3030**, and the grayscale version is **75.7093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **46.7983, 0.2665, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **82.4577, 0.2666, 0.3667**, and if you desaturate by 10%, it is **88.7844, 0.2850, 0.3481**.

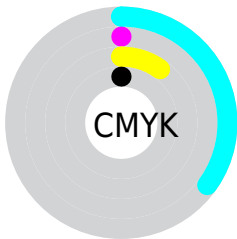
Distribution



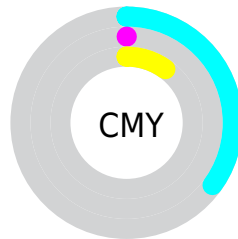
- Red (65%)
- Green (100%)
- Blue (90%)



- Red (65%)
- Yellow (85%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (35%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.3402, 0.2752, 0.3571 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 85.3402, 0.2752, 0.3571 by changing the saturation by 10% instead.

 85.3402, 0.2752,
0.3571

 85.3402, 0.2752,
0.3571


512.7531, 0.2921,
0.3443

 64.1225, 0.2714,
0.3600


 140.8484, 0.2810,
0.3527

 46.7499, 0.2668,
0.3635


 175.9077, 0.2833,
0.3510

 32.8380, 0.2611,
0.3680


216.3496, 0.2852,
0.3495

 22.0024, 0.2537,
0.3737

262.5586, 0.2870,
0.3482

 13.8586, 0.2439,
0.3815

314.9191, 0.2885,
0.3470

 8.0224, 0.2303,
0.3924

373.8154, 0.2898,

 4.1093, 0.2100,

0.3460

0.4090

439.6319, 0.2910,
0.3451

■ 1.7349, 0.1754,
0.4380

■ 0.4461, 0.0000,
0.6492

■ 85.3402, 0.2752,
0.3571

■ 85.3402, 0.2752,
0.3571

■ 82.4577, 0.2666,
0.3667

■ 88.7844, 0.2850,
0.3481

■ 80.1060, 0.2596,
0.3768

■ 92.8219, 0.2957,
0.3399

■ 78.2483, 0.2543,
0.3873

■ 97.4801, 0.3070,
0.3324

■ 76.8441, 0.2510,
0.3980

100.0000, 0.3127,
0.3290

■ 75.8459, 0.2497,
0.4088

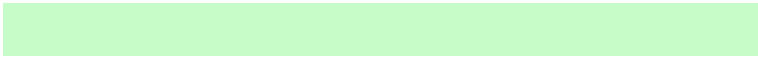
■ 75.1954, 0.2504,
0.4194

■ 74.9556, 0.2513,
0.4248

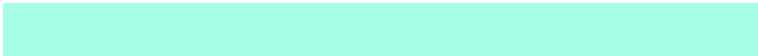
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3402, 0.3093, 0.3853



85.3402, 0.2752, 0.3571



85.3402, 0.2519, 0.3213

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.3402, 0.2752, 0.3571



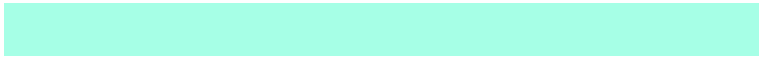
85.3402, 0.2778, 0.2695



85.3402, 0.3862, 0.3611

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85.3402, 0.2752, 0.3571



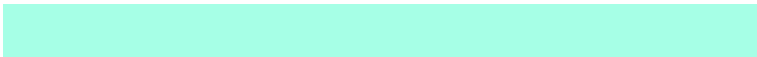
52.2900, 0.3725, 0.3030

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3402, 0.3772, 0.3312



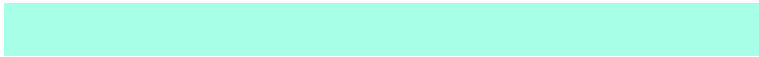
85.3402, 0.2752, 0.3571



85.3402, 0.3128, 0.2804

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3402, 0.2752, 0.3571



85.3402, 0.2534, 0.2726



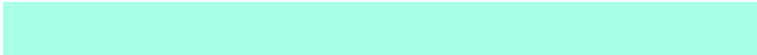
85.3402, 0.3497, 0.3024



85.3402, 0.3742, 0.3851

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



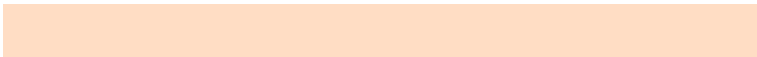
85.3402, 0.2752, 0.3571



85.3402, 0.2450, 0.2997



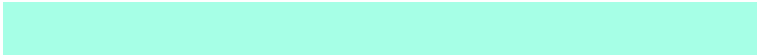
85.3402, 0.3497, 0.3024



85.3402, 0.3856, 0.3514

Sweetspot

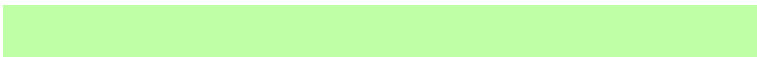
The Sweet Spot groups the original color and five complimentary colors.



85.3396, 0.2752, 0.3571



95.0278, 0.3012, 0.3361



85.3765, 0.3230, 0.4296



20.2013, 0.2996, 0.3372



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

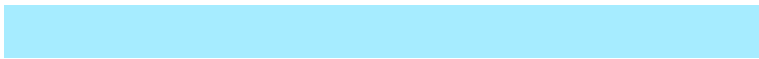
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3396, 0.2752, 0.3571



83.2389, 0.2690, 0.3638



75.1527, 0.2604, 0.3073



20.3893, 0.3018, 0.3358



39.1927, 0.2508, 0.4230



3.8347, 0.2475, 0.4109

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



52.2900, 0.3725, 0.3030



45.6217, 0.3906, 0.2977



58.8264, 0.3893, 0.3495



18.0709, 0.3250, 0.3223



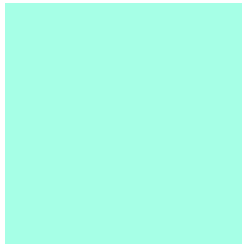
11.3723, 0.5835, 0.2988



1.1250, 0.5516, 0.2812

Previews

White Background



This preview shows how the Yxy color 85.3402, 0.2752, 0.3571 looks on a white background.

Color Contrast Check

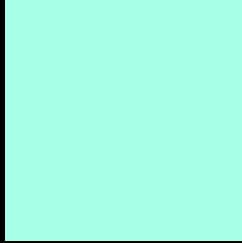
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 85.3402, 0.2752, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.3402, 0.2752, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 85.3402, 0.2752, 0.3571.

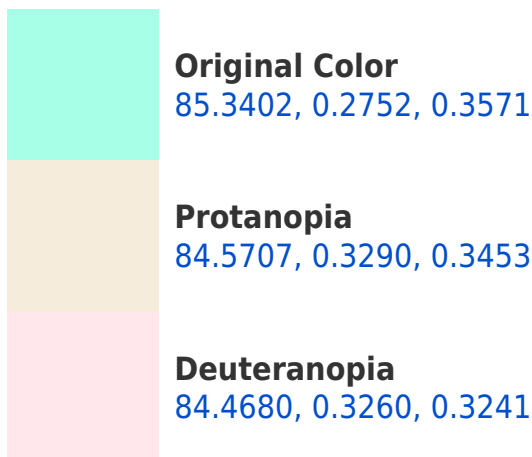


This preview shows how white text looks on a background with the Yxy color 85.3402, 0.2752, 0.3571.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

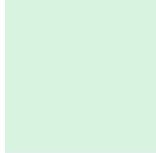
85.0432, 0.2831, 0.3174

Trichromacy



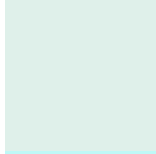
Original Color

85.3402, 0.2752, 0.3571



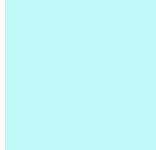
Protanomaly

84.0819, 0.3066, 0.3492



Deuteranomaly

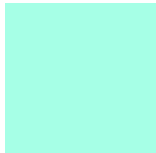
83.9487, 0.3053, 0.3352



Tritanomaly

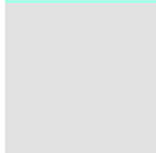
84.8650, 0.2797, 0.3311

Monochromacy



Original Color

85.3402, 0.2752, 0.3571



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

78.9518, 0.2973, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.3402, 0.2752, 0.3571 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(166, 255, 230)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 85.3402, 0.2752, 0.3571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 255, 230) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 255, 230) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 255, 230); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 255, 230); box-shadow:4px 4px 4px 4px rgb(166, 255, 230) }
```


Background

The CSS property to change the background color of an element to Yxy 85.3402, 0.2752, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 255, 230) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
255, 230) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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